

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	1231	post-processing and threshold	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:23
2	BRS	L2	1	1 and mass adj1 data adj1 storage	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:24
3	BRS	L3	1	2	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:30
4	BRS	L4	3	1 and viterbi adj1 detector	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:31
5	BRS	L5	3	4	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:38
6	BRS	L6	3	1 and pr4	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:38

	Comments	Error Definition	Errors
1			0
2			0
3			0
4			0
5			0
6			0

	Type	L #	Hits	Search Text	DBs	Time Stamp
7	BRS	L7	3	6	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:41
8	BRS	L8	4	1 and \$2rp4	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:42
9	BRS	L9	4	8	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:45
10	BRS	L10	321	\$2pr4 and viterbi	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:45
11	BRS	L11	158	10 and threshold	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:45
12	BRS	L12	158	11	USPAT; EPO; JPO; DERWEN T; IBM TDB	2002/01/30 09:45

	Comments	Error Definition	Errors
7			0
8			0
9			0
10			0
11			0
12			0

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TITLE: DATA REPRODUCING DEVICE

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a data reproducing device which can correspond to recording density of a wide range of a recording medium and can suppress power consumption when the recording density is low.

SOLUTION: A post-processor 18 is provided so that an output data train of a viterbi decoder 15 is corrected using an output signal of an adaptive equalizer 14 and an output signal of the viterbi decoder 15. When recording density is high, the post-processor 18 is operated and a turbo PRML (partial response maximum likelihood) system is selected, and when recording density is low, the post-processor 18 is stopped, a turbo PR4ML system is selected. In order to automate this selection control, standardized line density K is calculated by comparing a tap coefficient inputted from the adaptive equalizer 14 by a

standardized line density calculation section 20 with a
previously defined
approximate curve, and a comparator 21 generates a selection
signal S by
comparing standardized line density K obtained by this
calculation with a
standardized line density threshold value K0.

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